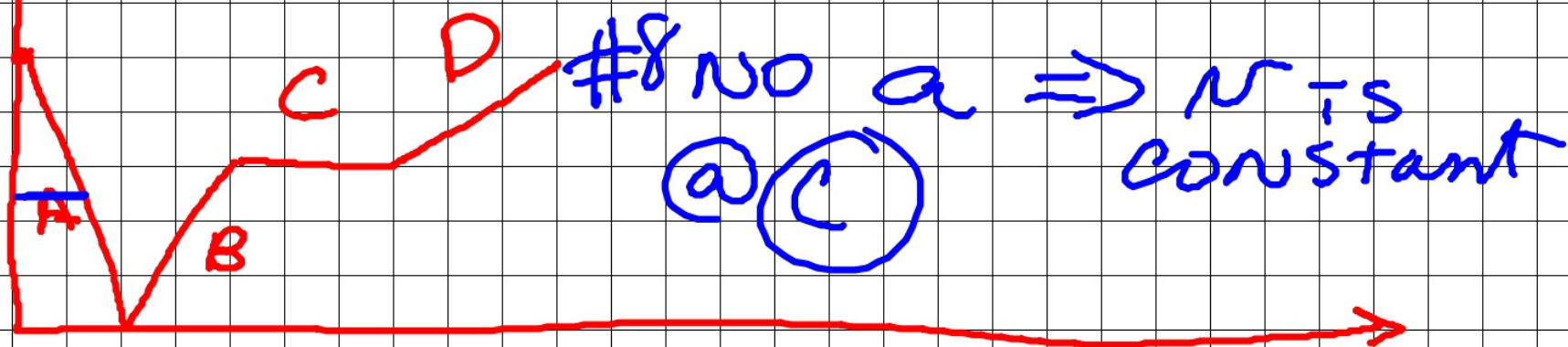


v
m/s

$$\#7 \quad \overline{v} = \frac{v_f + v_i}{2} = \frac{5 + 0}{2}$$

$$v = 2.5 \text{ m/s} = \textcircled{B}$$



#8 NO $a \Rightarrow v$ is constant
 \textcircled{C}

#9 $\textcircled{-}$ Slope = deceleration t s

#10 \textcircled{B} \textcircled{A} because the Slope of B is greater than D

#11 is **(B)** the mass
the mass of an object
is constant regardless
of location.

#12 Qty 2

$$m = 885 \text{ kg}$$
$$m_{\text{total}} = 1770 \text{ kg}$$
$$g = 9.8 \text{ m/s}^2$$
$$W = mg$$
$$W = (1770 \text{ kg}) \times 9.8 \text{ m/s}^2$$
$$W = 17,346 \text{ N}$$

(D)

#13 $m = 885 \text{ kg}$
 $g = 3.8 \text{ m/s}^2$

$$W = mg = (885 \text{ kg})(3.8 \text{ m/s}^2)$$

$$W = 3363 \text{ N}$$

(B)

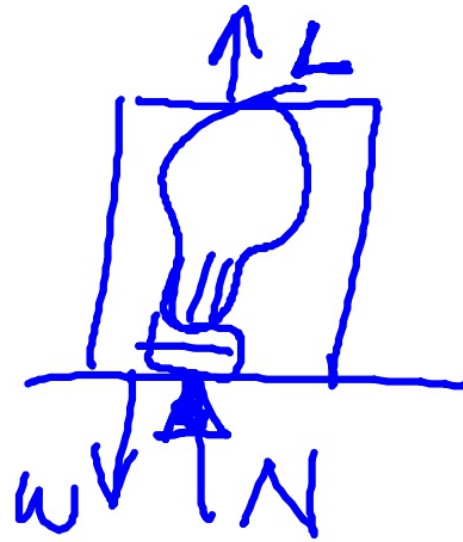
#14 Jupiter has the largest
"g" therefore has the most
weight.

(C)

#15 $m = 400 \text{ kg}$

NO F_f

(D)



#16

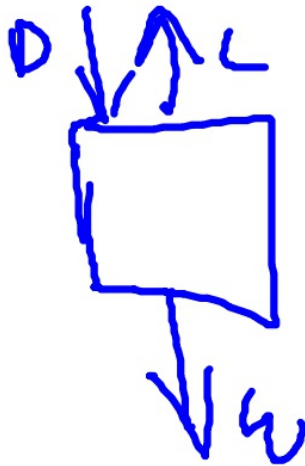
$$\vec{F} = m\vec{a}$$

IF $a = 0$ then Forces = zero

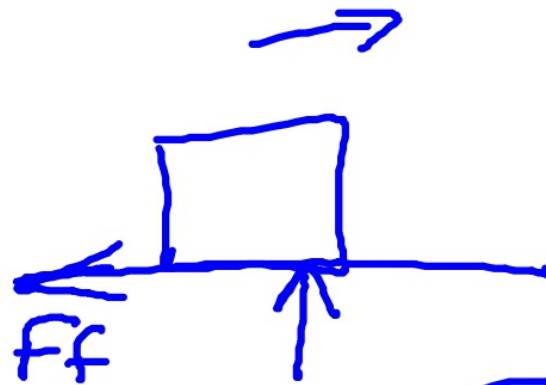
(A)

#17

(A)



#18



$$F_f = 4 \text{ N}$$

(B)